

<b>FORM PTO-1449</b> U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		<b>ATTY. DOCKET</b> NO.: 41530/28293	<b>SERIAL NO.:</b> 09/929,197
<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		<b>APPLICANT:</b> Reynolds, et al.	
		<b>Filing Date:</b> 8/14/2001	<b>Group:</b> 3762

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BF	AA 4 5 8 5 6 5 2	04/29/86	Miller, et al.	424	83	11/19/84

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
						Yes No
BA						

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	DOCUMENT
BF	CA Schmidt, C.; Shastri, V.R.; Vacanti, J.P.; Langer, R.; "Stimulation of Neurite Outgrowth Using an Electrically Conducting Polymer", Proc. Nat'l Acad. Sci., Vol. 94 pp. 8948-53, 1997..
BF	CB Kinlen, P.J., et. al; "Controlled Drug and Biomolecule Release From Electroactive Host Polymer Systems", presented at American Chemical Society Meeting, Anaheim California, March 1999.
BF	CC Hepel, M.; Fijalek, Z; Dentrone, L.; "Electrorelease of Drugs from Composite Polymer Films", Polm. Prepr.; Vol. 33 No. 2 pp. 106-7, 1992.
BF	CD Hepel, M.; Fijalek, Z.; "Electrorelease of Drugs from Composite Polymer Films", ACS Symp. Ser. 545 (Polymeric Drugs and Drug Administration) pp. 79-97, 1994.
BF	CE Oakano, T., Ed.; "Biorelated Polymers and Gels: Controlled Release Applications in Biomedical Engineering", Academic Press, San Diego, pp. 71-92, 1998.
BF	CF Oakano, T., Ed.; "Biorelated Polymers and Gels: Controlled Release Applications in Biomedical Engineering", Academic Press, San Diego, pp. 93 - 134, 1998.
BF	CG Zhang, I.; Shung, K.K.; Edwards, D.A.; "Hydrogels with Enhanced Mass Transfer for Transdermal Drug Delivery", J. Pharmaceutical Sciences Vol. 85 No. 12 pp. 1312-16, 1996.
BF	CH Cooper, A.F.; Kydnieus; Berner, B. (Eds.), "Transdermal Delivery of Drugs. Vol. 2" CRC Press, Boca Raton, Fla., pp. 57 -83, 1987.
BF	CI Prausnitz, C.S.; Lee, C.S.; Liu, J.C.; Pang, J.C.; Singh, T.; Langer, R.; Weaver, J.C.; "Transdermal Transport Efficiency During Skin Electroporation and Iontophoresis", J. Control. Rel. Vol. 38 pp. 205-17, 1996.
BF	CJ Ruddy, S.B.; Hadzija, B.W.; "The Role of Stratum Comeum in Electrically Facilitated Transdermal Drug Delivery I. Influence of Hydration, Tape-Stripping and Delipidation on the DC Electrical Properties of Skin", J. Control. Rel. Vol. 37 pp. 225-238, 1995.
BF	CK Hirvonen, J.; Hueber, F.; Guy, R.H.; "Current Profile Regulates Iontophoretic Delivery of Amino Acids Across the Skin", J. Control. Rel. Vol. 37 pp. 239-49, 1995.
BF	CL Jadoul, A.; Preat, V.; "Electrically Enhanced Transdermal Delivery of Domperidone", Intl. J. of Pharmaceutics, Vol. 154 No.2 pp. 229-32, 1997.
BF	CM Qiu, Y.J.; Reynolds, J.R.; "Dopant Anion Controlled Ion Transport Behavior of Polypyrrole", Polm. Eng. And Sci. Vol. 31 pp. 417-21, 1991.
BF	CN Reynolds, J.R.; Pyo, M.; Qiu, Y.J.; "Cation and Anion Dominated Ion Transport During Electrochemical Switching of Ppy Controlled by Polymer Ion Interaction", Synth. Met. Vols. 55-57 pp.1388-95, 1993.
BF	CO Zinger, B.; Miller, L.L.; "Timed Release of Chemicals from Polypyrrole Films", J. Am. Chem. Soc. Vol. 106 pp. 6861-63, 1984.

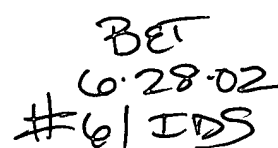


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	<b>Filing Date:</b> 8/14/2001	<b>Group:</b> 3762

BF	CP	Boyl, A.; Genies, E.; Fouletier, M.; "Electrochemical Behavior of Ppy doped with ATP <sup>-</sup> Anions", Electroanal. Chem. Vol. 279 pp. 179-86, 1990.
BF	CQ	Pyo, M; Reynolds, J.R.; "Electrochemically Stimulated Adenosine 5'-Triphosphate (ATP) Release Through Redox Switching of Conducting Polypyrrole Films and Bilayers", Chem. Mater. Vol. 8 pp. 128-33, 1996.
BF	CR	Pyo, M.; Maeder, G; Kennedy, R.T.; Reynolds, J.R.; "Controlled Release of Biological Molecules from Conducting Polymer Modified Electrode The Potential Dependent Release of Adenosine 5'-Triphosphate from Poly(pyrrole adenosine 5'triphosphate) Films", J. Electroanal. Chem. Vol. 368 pp. 329-32, 1994.
BF	CS	Hepel, M.; "Composite Polypyrrole Films Switchable Between the Anion and Cation Exchanger States", Electrochimica Acta Vol. 41 No. 1 pp. 63-76, 1996
BF	CT	Hepel, M.; Mahdavi, F.; "Application of the Electrochemical Quartz Crystal Microbalance for Electrochemically Controlled Binding and Release of Chlorpromazine from Conductive Polymer Matrix", Microchemical J. Vol. 56 pp. 54-64, 1997.
BF	CU	Prezyna, L.A.; Qiu, Y.J.; Reynolds, J.R.; "Interaction of Cationic Polypeptides with Electroactive Polypyrrole/Polystyrene Sulfonate and Poly(N-methylpyrrol)/Poly(styrenesulfonate) Films", Macromolecules Vol. 24 pp. 5283-87, 1991.
BF	CV	Zhou, Q.; Miller, L.L.; Valentine, J.R.; "Electrochemically Controlled Binding and Release of Protonated Dimethyldopamine and Other Cations from Poly(N-methylpyrrol)/polyanion Composite Redox Polymers", J. Electroanal. Chem. Vol. 261 pp. 147-164, 1989.
BF	CW	Naoi, K.; Lien, M.; Smyrl, W.H.; "Quartz crystal microbalance analysis", J. Electroanal. Chem. Vol. 272, pp. 273-75, 1989.
BF	CX	Baker, C.K.; Qiu, Y.J.; Reynolds, J.R.; "Electrochemically Induced Charge and Mass Transport in Polypyrrole/Poly(styrene sulfonate) Molecular Composites", J. Phys. Chem. Vol. 95 pp. 4446-52, 1991.

<b>EXAMINER.</b> <i>Blessing Fubara</i>	<b>DATE CONSIDERED</b> <i>11-25-03</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

(Form PTO-1449)



<b>INFORMATION DISCLOSURES STATEMENT BY APPLICATION</b> (us as many sheets as necessary)	Docket Number (Optional) 41530/28293	Application Number 09/929197
	Applicant Reynolds et al.	
	Filing Date August 14, 2001	Group Art Unit 3762

[illegible][illegible]

BF		Myoungho Pyo & John R. Reynolds, "Electrochemically Stimulated Adenosine 5'-Triphosphate (ATP) Release through Redox Switching of Conducting Polypyrrole Films and Bilayers", <i>Chem. Mater.</i> , 8 (1996) Pages 128-133
BF		Qin-Xin Zhou, Larry L. Miller & James R. Valentine, "Electrochemically controlled binding and release of protonated dimethyldopamine and other cations from poly (N-methylpyrrole) / polyanion composite redox polymers", <i>Journal of the Electroanalytical Chemistry</i> , 261(1989) Pages 147-164

DATE CONSIDERED 11-25-03